

ABSTRACT

5 An oxygen concentrating apparatus 10 for generating
oxygen enriched gas by adsorbing and separating nitrogen
gas from air, comprises: an oxygen concentrator 40 having
an adsorption cylinder filled with adsorbent for
10 adsorbing nitrogen gas, also having an air inlet port 44,
an oxygen outlet port 50 and a nitrogen gas outlet port
46; a compressor 30 for supplying compressed air from the
air inlet port 44; a sound insulation box 20, which
15 surrounds the compressor 30, for reducing noise generated
from the compressor 30, ribs 20a being formed on a side
wall of the sound insulation box 20; a cooling fan 36 for
introducing air into the sound insulation box 20 so as to
cool the compressor 30 by the introduced air; a housing
12 surrounding the oxygen concentrator 40 and the sound
insulation box 20; and an exhaust duct 60 arranged in the
housing 12, for guiding the exhaust discharged from the
cooling fan 36 to the outside of the housing 12.